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## (12) United States Patent Sitter

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(54)	HINGE						
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		16/388					
(56)		References Cited					
U.S. PATENT DOCUMENTS							

2,373,955 \* 4/1945 Fuller ...... 16/245

 3,613,150 \* 10/1971
 Osborn
 16/244

 4,133,114 \* 1/1979
 Roach
 16/388

 4,825,507 \* 5/1989
 Killingstad
 16/241

5,339,493	*	8/1994	MacIntyre	16/238
			Mosher	
5,720,082	*	2/1998	Rossmo	16/244
5,964,011	*	10/1999	Ruston et al	16/239

<sup>\*</sup> cited by examiner

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## (57) ABSTRACT

The invention relates to a hinge, in particular for doors, windows and the like, whose hinge wings (1,2), each fastenable on one hinge holder (13, 14), are pivotable relative to one another about an axis of hinge rotation, with at least one of the hinge wings being provided with an adjustment device for adjusting the hinge wing transversely to the axis of hinge rotation. In order to facilitate the adjustability after installation, the adjustment device is formed as an adjusting pin (15) disposed transversely to the axis of hinge rotation (3). Pin ends (15a, 15b) of the pin (15) are disposed eccentrically with respect to one another and, after installation, are rotatably supported in receiving bores (16, 17) of the hinge wing (1) or of the hinge holder (13) associated with it.

## 22 Claims, 2 Drawing Sheets

